

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Frank L. Hall

**Serial No.:** Not yet assigned

**Filed:** March 2, 2004

**For:** METHODS FOR PREPARING BALL  
GRID ARRAY SUBSTRATES VIA USE OF  
A LASER

**Examiner:** Unknown

**Group Art Unit:** Unknown

**Attorney Docket No.:** 2269-4718.2US  
(00-0316.02/US)

**NOTICE OF EXPRESS MAILING**

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Person making Deposit: Christopher Haughton

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The present application is a divisional of application Serial No. 09/863,676, filed May 21, 2001, pending.

Pursuant to M.P.E.P. 2001.06(b), the Examiner is respectfully requested to consider the information of record in the prior application, and to confirm in the first Office Action on the merits that such art has in fact been reviewed. A PTO-1449 or PTO/SB/08 form listing all of the information of record in the prior application is enclosed herewith.

**Atty. Docket No.: 4718.2US (00-0316.02/US)**

This Information Disclosure Statement is filed within three (3) months of the filing date of the above-identified application, and no certification pursuant to 37 C.F.R. § 1.97(c) or a fee pursuant to 37 C.F.R. 1.17(p) is required.

Respectfully submitted,



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JRD/sls:djp

Enclosures: Form PTO-1449 or PTO/SB/08  
Document in ProLaw

Form PTO-1449 <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>	Docket Number (Optional) <b>4718.2US (00-0316.02/US)</b>	Application Number <b>Not Yet Assigned</b>
	Applicant <b>Frank L. Hall</b>	
	Filing Date <b>March 2, 2004</b>	Group Art Unit <b>Unknown</b>

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,789,427	12/1988	Fujimura et al.			
	5,200,031	04/1993	Latchford et al.			
	5,597,590	01/1997	Tanimoto et al.			
	5,686,211	11/1997	Motegi et al.			
	6,009,888	01/2000	Ye et al.			
	6,021,380	02/2000	Fredriksen et al.			
	6,114,097	09/2000	Malba et al.			
	6,221,690	04/2001	Taniguchi et al.			
	6,329,606	12/2001	Freyman et al.			
	6,346,678	02/2002	Kono et al.			
	6,415,977	07/2002	Rumsey			

## FOREIGN PATENT DOCUMENTS

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance. Not considered. Include copy of this form with next communication to the applicant.